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Notice of Allowability

Application No.

09/724,830

Examiner

CHAMELI C. DAS

Applicant(s)

GANGOPADHYAY ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to amendment filed on 4/18/05.
2. ☒ The allowed claim(s) is/are 4, 8-10 (newly numbered claims are 1-4).
3. ☒ The drawings filed on 28 January 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>4/28/05</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

1. This action is in response to the amendment filed on 4/18/05.
2. Claims 1-3, 5-7 have been canceled.
3. Claim 4 has been amended.
4. Claims 8-10 have been added.
5. Claims 4, 8-10 have been allowed.

EXAMINER'S AMENDMENT

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Buchenhorner, applicant's attorney on 4/27/05.

The application has been amended as follows:

In the claims:

In claim 8 (currently amended)

at line 3, delete [being] and insert --system --

In claim 10 (currently amended)

at line 2, before "sequence" delete [the] and insert -- a --

at line 2, at the end of the line delete [the] and insert -- a--.

REASON FOR ALLOWANCE

7. The following is an examiner's statement of reason for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations a method for modeling a process including an ordered sequence of actions, each associated with one or more triggering events and exit events, the method comprising: synchronization of two or more asynchronous events within the process is represented by join nodes with two or more asynchronous entry conditions; and repetitive functions are represented within the process as repetition nodes characterized by entry and exit criteria and an executable function that includes a repeatable function and repetition factor for controlling a number of repetitions for the repeatable function, as recited in the independent claims 4, 8 and 10.

Conclusion

8. The prior art made or record and not relied upon is considered pertinent to applicant's disclosure.

TITLE: Nested parallel language preprocessor for converting parallel language programs into sequential code, US 6106575 A

TITLE: Object oriented framework mechanism for order processing including pre-defined extensible classes for defining an order processing environment, US 6104874 A

TITLE: Method and apparatus for distributed workflow building blocks of process definition, initialization and execution, US 5768506 A

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TITLE: Method of conducting asynchronous distributed collective operations, US

5748959 A

TITLE: Architectures and methods for dividing processing tasks into tasks for a programmable real time signal processor and tasks for a decision making microprocessor interfacing therewith, US 5287511 A

TITLE: Dynamic and consistent naming of fabric attached storage by a file system on a compute node storing information mapping API system I/O calls for data objects with a globally unique identification, US 6148349 A

TITLE: Highly-scalable parallel processing computer system architecture, US 6247077

TITLE: Shared memory control between detector framing node and processor, US

6753873 B2

TITLE: Information processing system and method of computation performed with an information processing system, US 5740463 A.

TITLE: Modeling Concurrently in parallel Debugging, author: Hseush et al, ACM, 1990.

TITLE: Data Flow Analysis for Verifying Properties of Concurrent Programs, author: Dwyer et al, ACM, 1994.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 571-272-2696.

The examiner can normally be reached on Monday-Friday from 7:00 A.M. to 3:30 P.M.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tuan Dam can be reached at 571-272-2695. The fax number for this group is (703) 872-9306.

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 571-272-2100.

Chameli C-D on
CHAMELI C. DAS
PRIMARY EXAMINER 4/28/05